

- Group II:** Claims 15-17, drawn to a method of production of at least one 4-*O*-methylated isoflavonoid nutraceutical in a non-plant cell system.
- Group III:** Claims 18-28 and 47-50, drawn to a method of decreasing levels of 4-*O*-methylated isoflavonoid compounds in a transformed plant using antisense, sense suppression or insertional inactivation.
- Group IV:** Claims 29-34, drawn to a method of production of 7-*O*-methylated isoflavonoid compounds by adding a precursor to a transformed plant or plant suspension culture.
- Group V:** Claim 35, drawn to a method of detecting 4-*O*-methyltransferase using an antibody.
- Group VI:** Claims 39-42, drawn to a composition comprising at least one 4-*O*-methylated isoflavonoid compound suitable as a foodstuff or nutritional supplement.

Applicants elect the invention of Group I (identified above as corresponding to Claims 1-14, 36-38 and 43-46) to prosecute in the present application. Applicant requests the remaining claims be withdrawn from consideration with reservation of rights to present in a divisional application.

No fee is believed to be incurred by this response. If a fee is required, however, please charge any fee necessary during the pendency of this matter (excepting an issue fee) to Sidley Austin Brown & Wood LLP's Deposit Account No. 18-1260. Please credit any overpayment to Deposit Account No. 18-1260.

Respectfully submitted

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